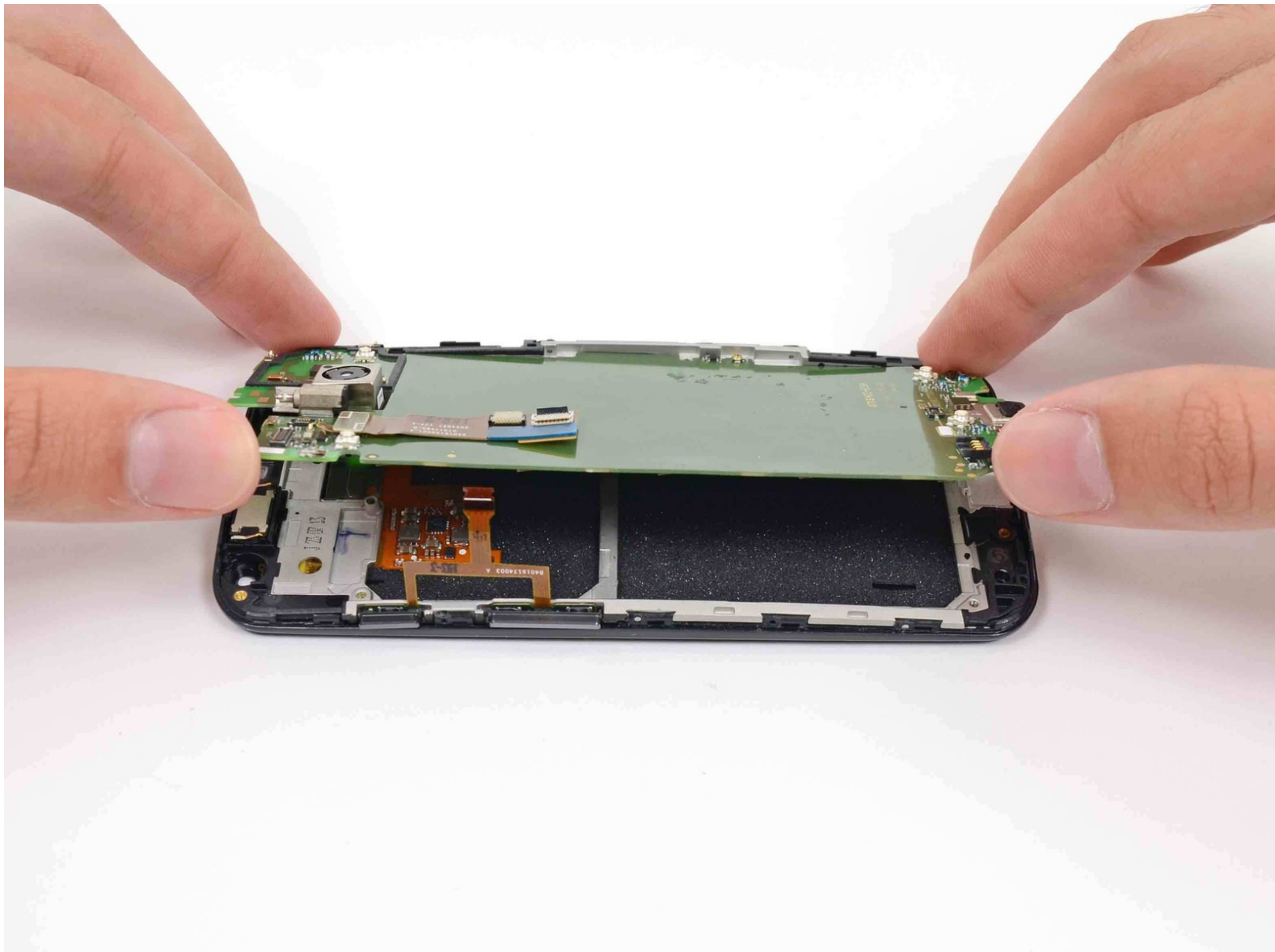




Motorola Moto X Motherboard Assembly Replacement

Prereq to remove the motherboard.

Written By: Sam Lionheart





TOOLS:

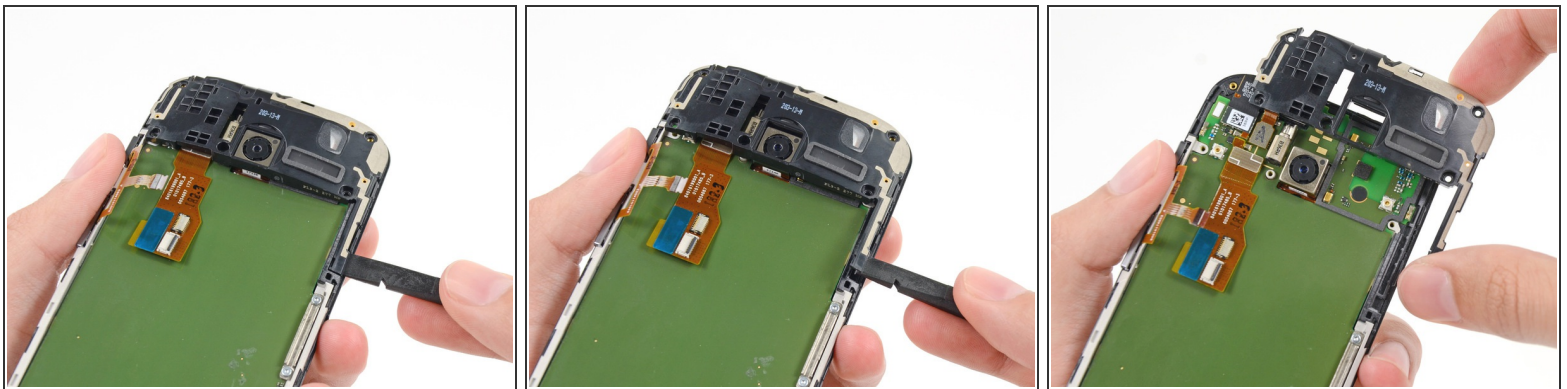
- [T3 Torx Screwdriver](#) (1)
 - [Spudger](#) (1)
 - [Tweezers](#) (1)
-

Step 1 — Motherboard Assembly



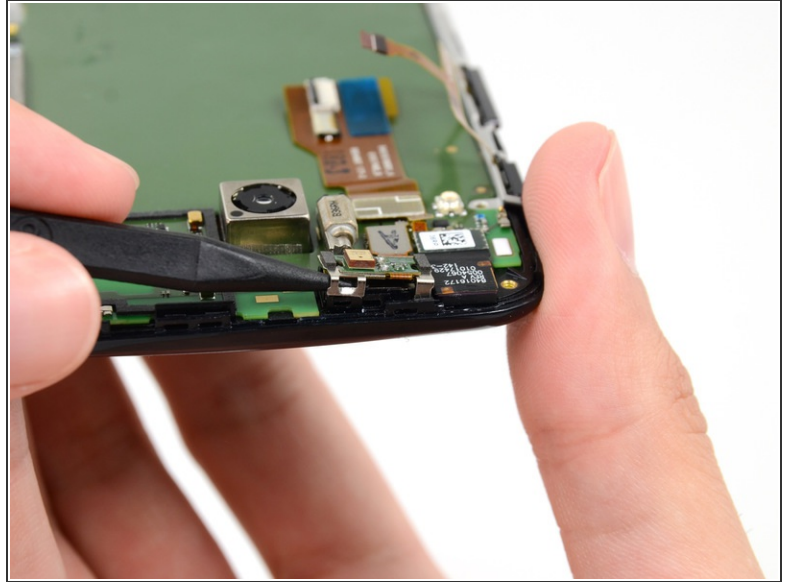
- Remove the five 3 mm T3 Torx screws from the headphone jack/speaker assembly.

Step 2



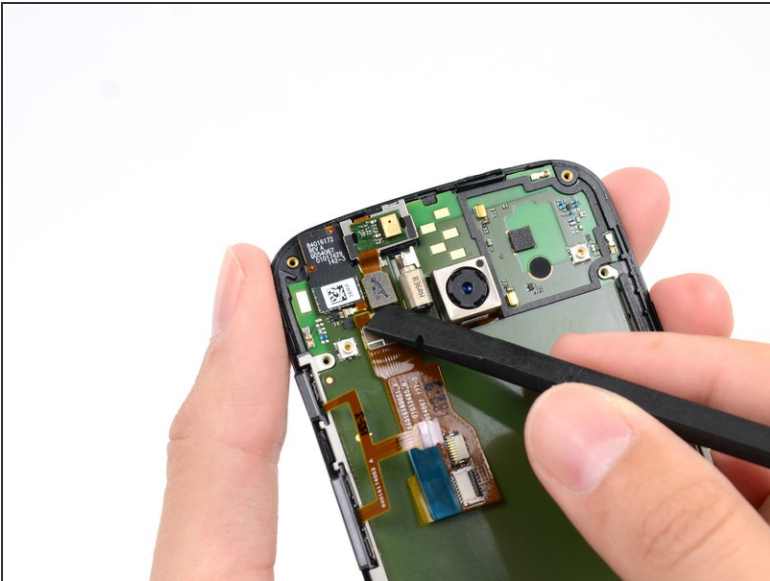
- Insert a spudger under the panhandle of the headphone jack/speaker assembly and pry it up from its recess.
- Remove the headphone jack/speaker assembly.

Step 3



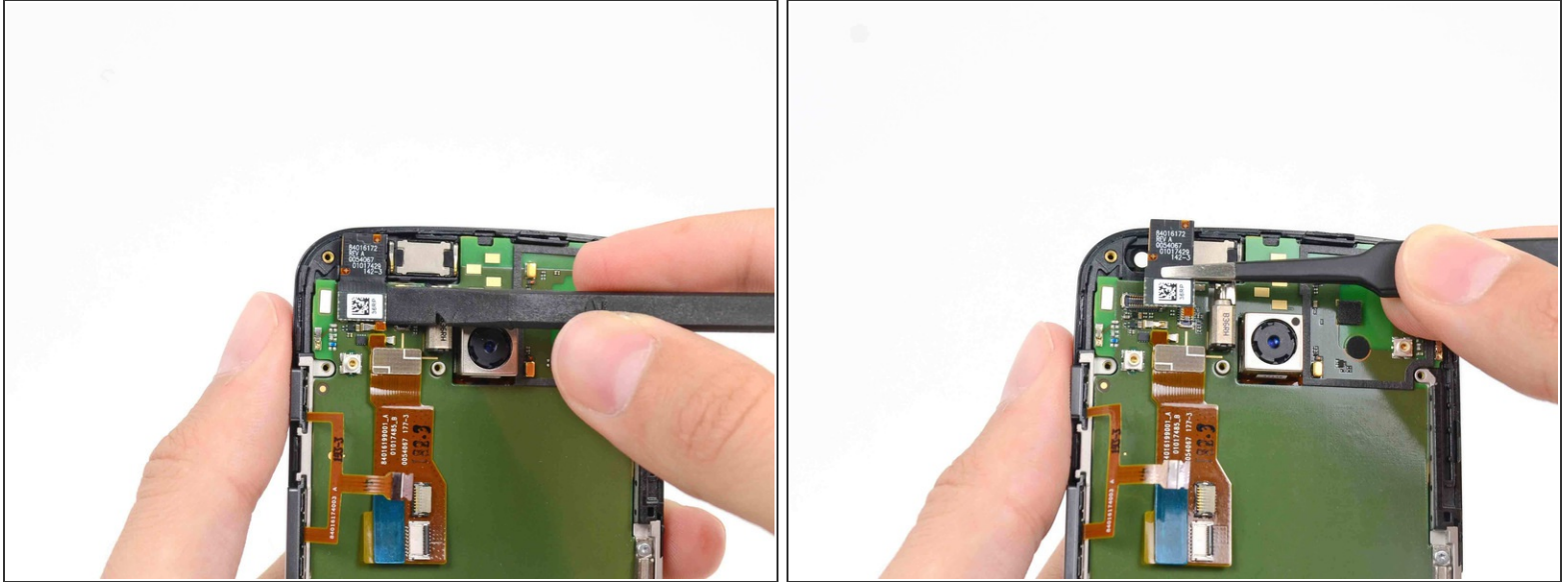
- Push the tip of a spudger under the microphone assembly clip to free it from the earpiece speaker.

Step 4



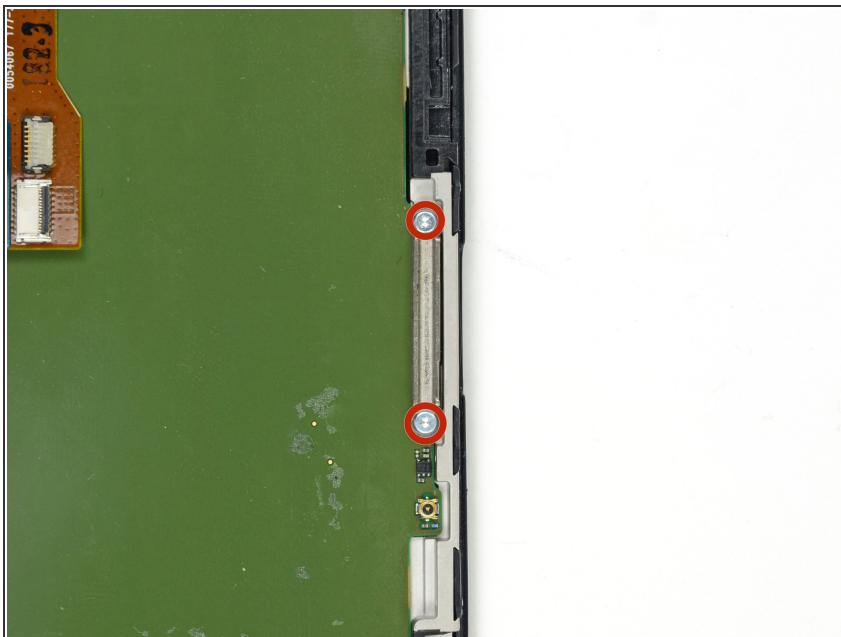
- Use the flat end of a spudger to free the microphone assembly cable connector.
- Use tweezers to remove the microphone assembly.

Step 5



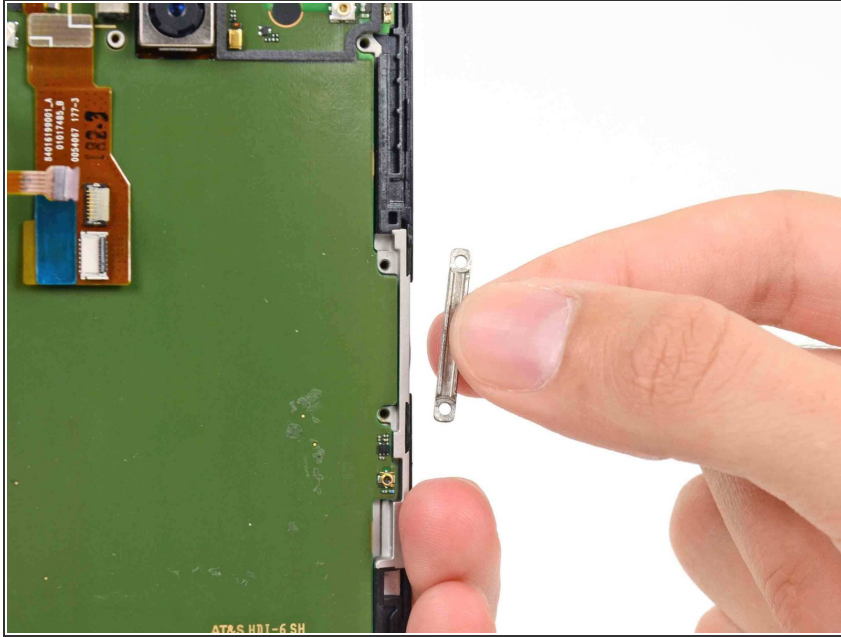
- Disconnect the front-facing camera cable connector.
- Remove the front-facing camera from its recess with a pair of tweezers.

Step 6



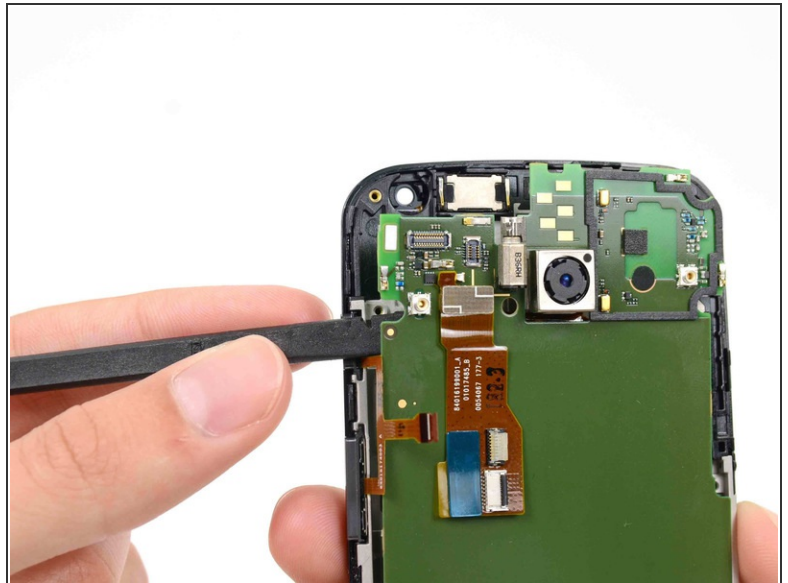
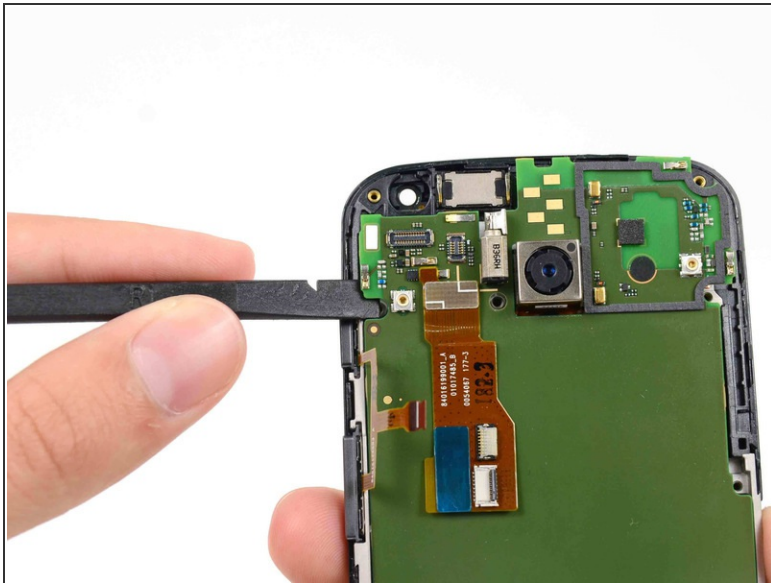
- Remove the final two 3 mm T3 Torx screws from the SIM slot bracket.

Step 7



- Remove the SIM slot bracket from the motherboard.

Step 8

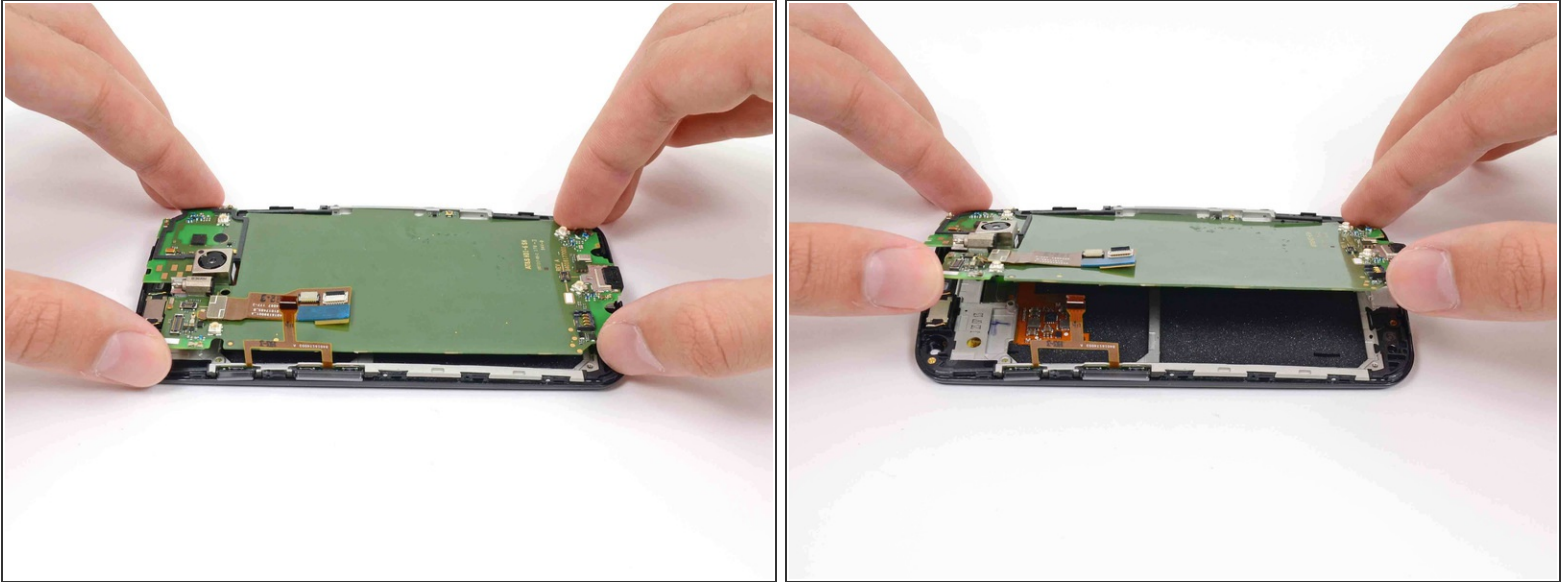


- Insert the flat end of a spudger under the motherboard above the button assembly cable, and pry it out of the phone.


⚠ Be careful not to snag any cables.

i The buttons may pop out of their recesses; take care not to lose them.

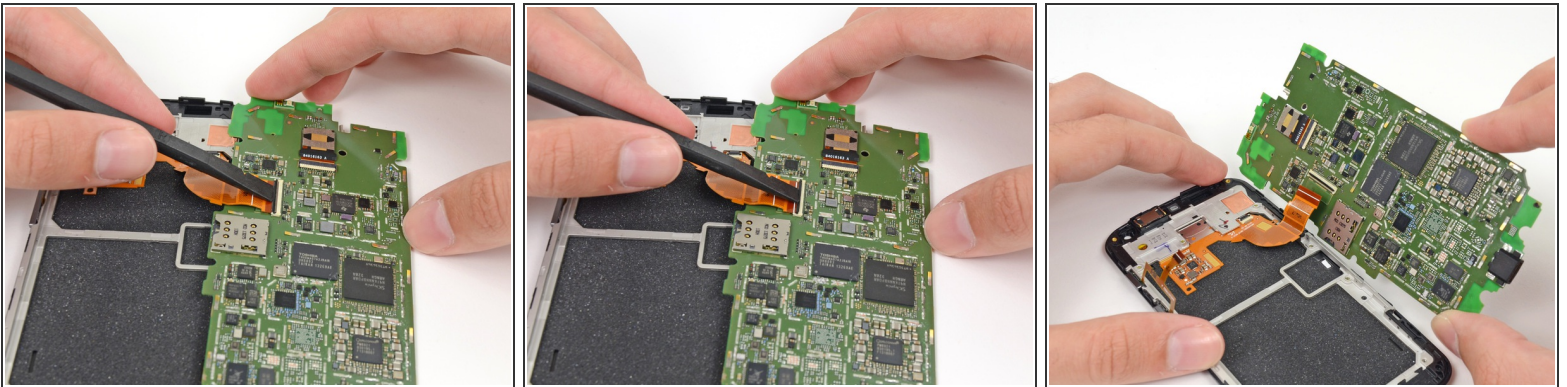
Step 9




- Gently lift the motherboard out of the phone, rotating it from the SIM slot edge of the phone.

 Do **not** attempt to separate the motherboard entirely; it is still connected to the display by the display cable.

Step 10



-  Lay the motherboard down to allow access to the display cable connector.
- Use the flat end of a spudger to flip the retaining tab on the display cable ZIF connector.
- Carefully pull the display cable out of its connector as you remove the motherboard from the display assembly.

To reassemble your device, follow these instructions in reverse order.

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